

## Magnetoelectric coupling mechanisms in the multiferroic composite Co/PMN-PT(011) - a search using X-ray magnetic circular dichroism

J. Heidler,<sup>1</sup> C. Piamonteze,<sup>1</sup> R. Chopdekar,<sup>12,3</sup> J. Dreiser,<sup>1</sup> C. Jenkins,<sup>4</sup> E. Arenholz,<sup>4</sup> Stefano Rusponi,<sup>5</sup> Harald Brune,<sup>5</sup> L.J. Heyderman,<sup>2</sup> and F. Nolting,<sup>1</sup>

<sup>1</sup>Swiss Light Source, Paul Scherrer Institut, 5232 Villigen, Switzerland; <sup>2</sup>Laboratory for Micro- and Nanotechnology, Paul Scherrer Institut, 5232 Villigen, Switzerland; <sup>3</sup>Department of Chemical Engineering and Materials Science, University of California-Davis, One Shields Avenue, Davis, CA 95616, USA; <sup>4</sup>Advanced Light Source, Lawrence Berkeley National Laboratory, Berkeley CA 94720, USA; <sup>5</sup>École Polytechnique Fédérale de Lausanne, Institute of Condensed Matter Physics, 1015 Lausanne, Switzerland;

## Introduction - multiferroic composites and their spintronics potential

